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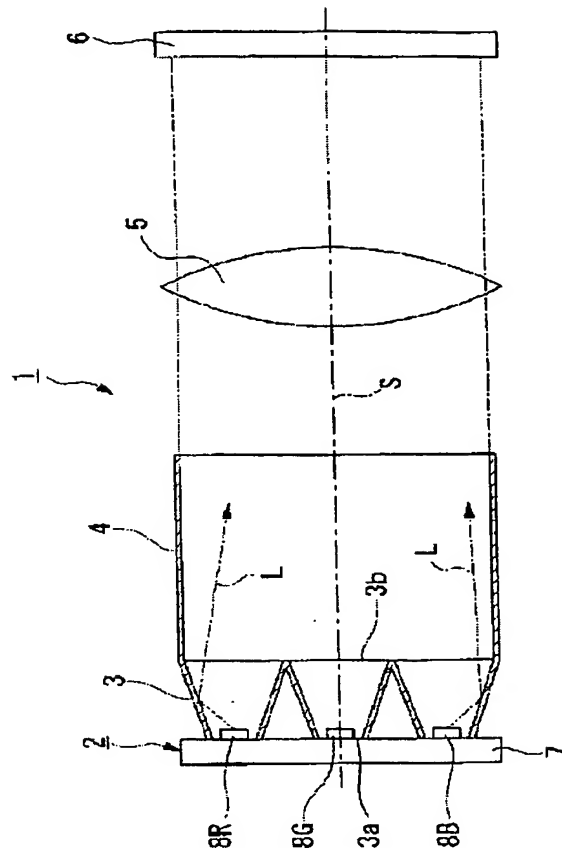
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TITLE : ILLUMINATOR AND PROJECTION
TYPE DISPLAY DEVICE



ABSTRACT : PROBLEM TO BE SOLVED: To provide an illuminator whose illuminating efficiency can be enhanced and a projection type display device which provides bright and high-contrast display.

SOLUTION: The illuminator 1 to be used in this projection type display device is provided with an LED array 2 having a plurality of chip LEDs 8R, 8G, 8B, a plurality of tapered rod lenses 3 which are provided in correspondence with respective chip LEDs 8R, 8G, 8B, a rod lens 4 common to the plurality of tapered rod lenses 3 and a light-emission lens 5 for making rays of light entering from the rod lens 4 exit with prescribed outgoing angles.

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